Single Beam UV-Visible Spectrophotometer LX510SS

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Description

Single beam UV-Visible Spectrophotometer LX510SS is a single beam spectrophotometer with 190 to 1100 nm wavelength range, Deuterium Lamp (UV light) and Tungsten lamp (visible light) as a light source. Equipped with TFT color screen and windows graphic interface. Advanced ARM system and long optical system assures precision measurements and good stability of the instrument.

Specifications

Optical system	Single beam, grating 1200 lines/ mm
Wavelength range	190 to 1100 nm
Bandwidth	2 nm
Wavelength accuracy	±0.1nm@656.1nm, ±0.3nm@all
Wavelength repeatability	≤0.1 nm
Wavelength setting	Automatic
Photometric accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)
Photometric repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric mode	T, A, C, E
Photometric range	0-200%T, -0.3~3A, 0-9999C (0-9999F)
Stability	±0.0005A/h@500nm
Stray light	≤0.03%T@220, 360nm
Baseline flatness	±0.002A
Scanning speed	Hi, Med, Low (Max. 3000nm/min)
Display	7
Lamps	Imported deuterium and Tungsten lamp
Detector	Imported silicon photodiode
Cuvette holder	10mm manual 4-cell holder

Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Dimension	590 × 475 × 250 mm
Net Weight	20 Kg
Packaging dimension	810 x 660 x 390 mm
Gross Weight	27 Kg

Features

- 7 inch TFT color screen
- 190 to 1100 nm Wide wavelength range
- Came with massive 1GB memory storage for test data and working curves
- Performs photometric, quantitative, kinetic, spectrum scan, multi-wavelength measurements etc
- USB port and SD card for data transfer to PC and other devices for further analysis, processing and storage
- Available with optional auto 8 Cell holder

Applications

- Utilized for biochemistry, biotechnology, microbial science, chemistry, pharmacy, water testing, ecological and food science industries for Quality & Research analysis.

Standard Accessories

- Glass cuvette 10 mm
- Quartz cuvette 10 mm
- Power cable
- PC software

Optional Accessories

- Glass cuvettes 5 to 100 mm
- Quartz cuvettes 5 to 100 mm
- Manual 4-cell holder (10 to 100 mm)
- Auto 8-cell holder
- Tungsten lamp
- Deuterium lamp

- 21 CFR part 11 compliant software

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